

Project Design Phase-II

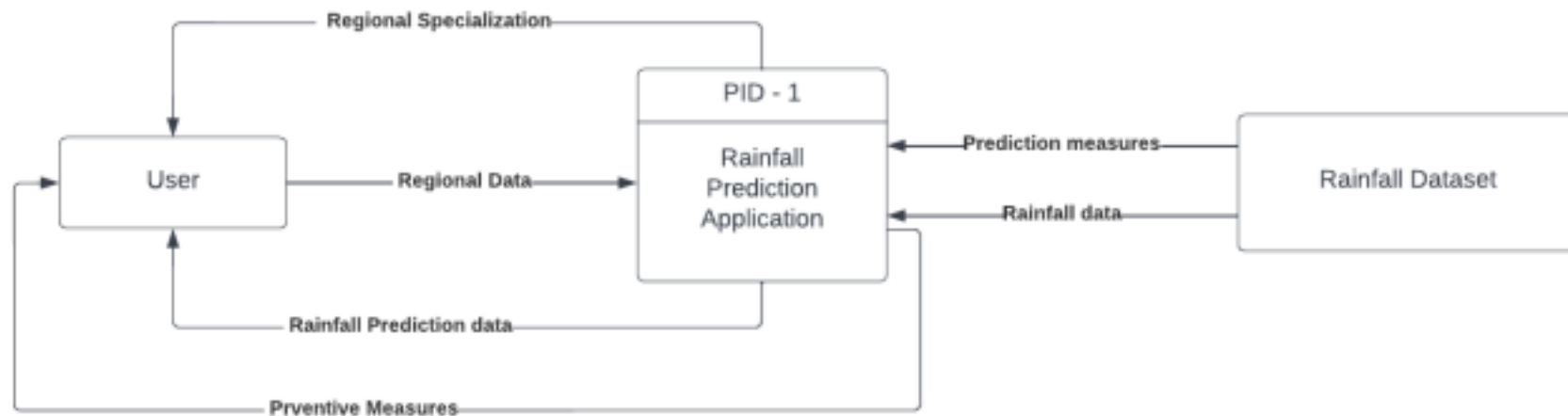
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID10333
Project Name	Exploratory Analysis of Rainfall Data in India for Agriculture
Maximum Marks	4 Marks

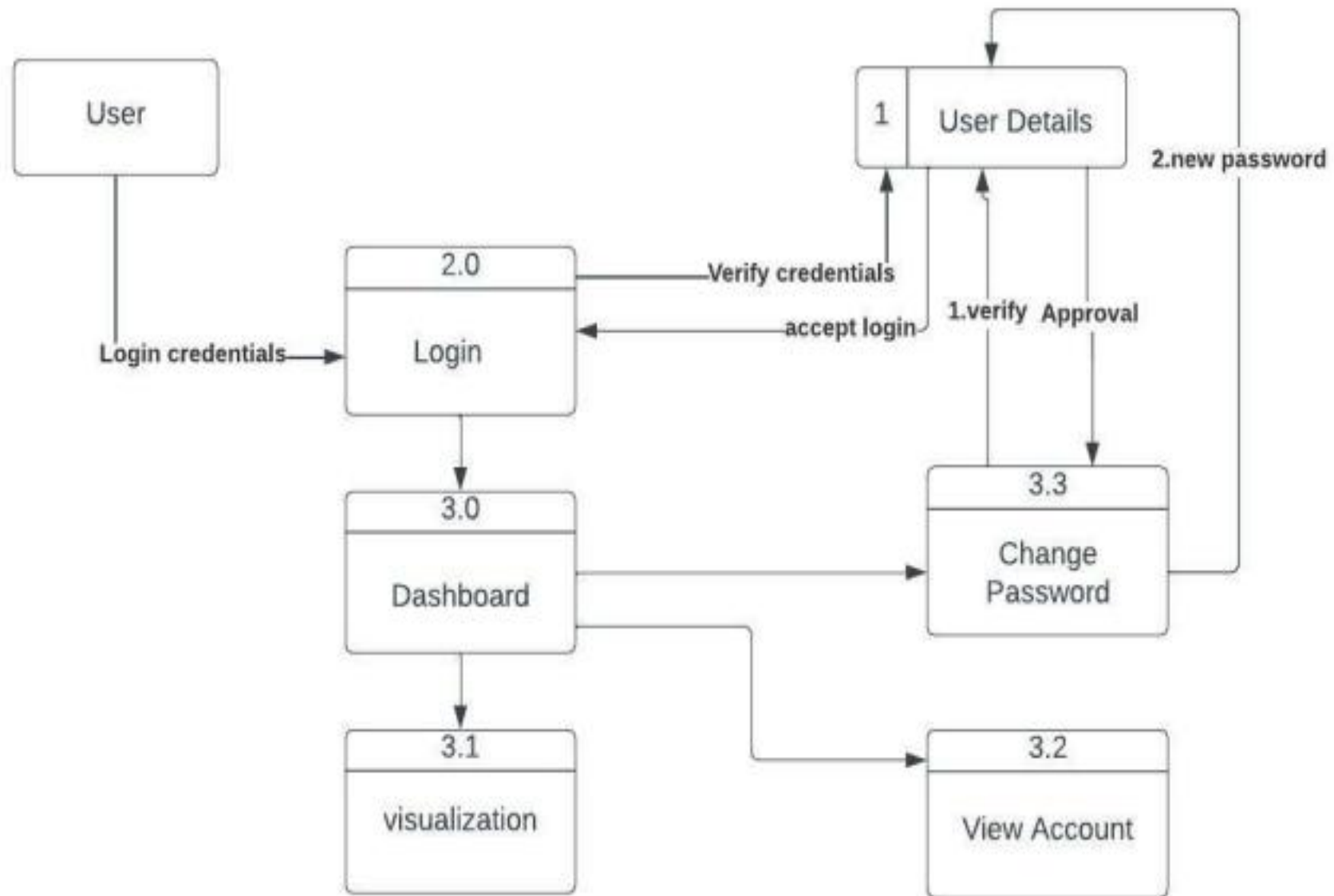
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

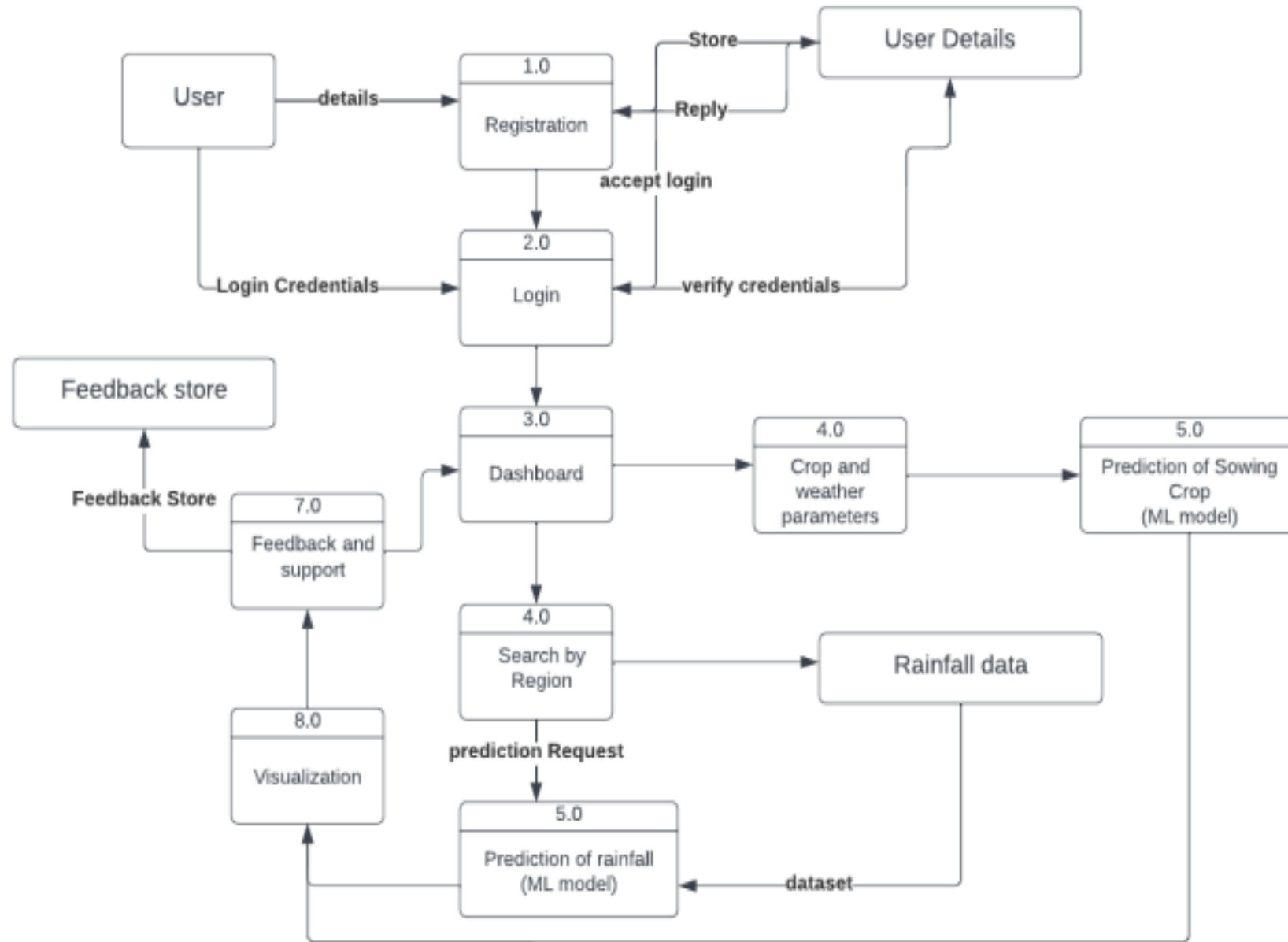
Data Flow Diagram level-0:



Data Flow Diagram level-1:



Data Flow Diagram level-2:



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	Registration	USN-1	As a user, I can register for the application by entering my email, password, and verify my password.	I can access my account / dashboard	High	Sprint-2
		USN-2	As a user, I will receive verification email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-2
		USN-3	As a user, I can register for the application through Google Account OR any other account	I can register & access the dashboard with google	Low	Sprint-2
	Login	USN-4	As a user, I can log into the application by entering email & password	Registered username or email and password	High	Sprint-2
	Dashboard	USN-5	As a user, I can monitor or analysis the current rainfall forecasting	Location and date	Medium	Sprint-3

	Rainfall Prediction	USN-6	As a user, I can enter the input data to predict the rainfall	Location and date	High	Sprint-3
	Crop Suggestion	USN-7	As a user, I can enter the soil and weather parameter to predict the crop for cultivation	Soil and weather parameter	High	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer Care Executive	Contact	USN-8	As a user, I can ask queries regarding the system	I can clarify my doubts	Medium	Sprint-4
	Feedback	USN-9	As a user, I can send feedback and queries to the Administrator	I can review the application and suggest updates	Low	Sprint-4
Administrator	Login	USN-10	As a Administrator, I can login to the application by entering my email, password, and confirming my password	I can view and update the system	High	Sprint-1
	Rainfall Prediction Model	USN-11	As a administrator, I train the rainfall prediction model and save the best model	I train the rainfall prediction Model	High	Sprint-1

	Crop Suggestion Model	USN-12	As a Administrator, I train and test the crop suggestion model and save the best model	I train the sowing crop prediction model	High	Sprint-1
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